

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

## PCT

To:

see form PCT/ISA/220

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/EP2004/003199

International filing date (day/month/year)  
26.03.2004

Priority date (day/month/year)

International Patent Classification (IPC) or both national classification and IPC  
B61F5/26, B61F5/30

Applicant  
AB SKF

**1. This opinion contains indications relating to the following items:**

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**International application No.  
PCT/EP2004/003199

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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1. Statement

Novelty (N)	Yes: Claims	2-8
	No: Claims	1,9
Inventive step (IS)	Yes: Claims	7
	No: Claims	1-6,8,9
Industrial applicability (IA)	Yes: Claims	1-9
	No: Claims	

2. Citations and explanations

**see separate sheet**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/EP2004/003199

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Reference is made to the following document:  
D1 : GB-A-874,728 GB 874 728 A (GEORGE SPENCER MOULTON & COMPANY LIMITED; DISTINGTON ENGINEERING COMPA) 10 August 1961 (1961-08-10)
2. The document D1, see in particular page 2, lines 9-14 and fig.1, discloses (the references in parentheses applying to this document):  
a railway bogie comprising at last two spring units (1 and 2) per one wheel (6) and a bogie frame (17) whereby an essentially single piece adapter (9,10,11,12,14 and 15) bridges said spring units and is arranged between said spring units (1 and 2) on the one side and said bogie frame (17) on the other side.

D1 (se ref. 11 in Fig. 1 and 2) further discloses said adapter (11) extending oblong in a direction in which said adapter bridges said spring units (1 and 2).

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1 and 9 is not new in the sense of Article 33(2) PCT.

3. Dependent claims 2-6 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step (Article 33(2) and (3) PCT).

In said claims slight constructional changes in the railway bogie of claim 1 are defined which come within the scope of the customary practice followed by persons skilled in the art, especially as the advantages thus achieved can readily be foreseen. Consequently, the subject-matter of claims 2 to 6 also lacks an inventive step.

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4. The problem to be solved by the present invention may therefore be regarded as providing an adapter able to adapt various type of axleboxes having diverse dimensions to a bogie frame of standardized dimensions without the need of modifications on the bogie frame.

The combination of the features of dependent claim 7 with the features of claim 1 is neither known from, nor rendered obvious by, the available prior art and will solve the afore mentioned problem.

5. Claims 2-6 and 8,9 as dependent on said new claim 1 would, as such, also meet the requirements of the PCT with respect to novelty and inventive step.

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## Amended Claims

*Adapter arrangement*  
~~Railway bogie~~

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- Adapter arrangement of a*
1. ~~Railway bogie~~ comprising at least two spring units per one wheel and a bogie frame *whereby the adapter arrangement comprises,* ~~characterized by~~ an essentially single piece adapter which bridges said spring units *having parallel principal axes,* and is arranged between said spring units on the one side and said bogie frame on the other side.

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- <->*
2. ~~Railway bogie~~ of claim 1, whereby said bogie is of the Y 25 type.

- <->*
3. ~~Railway bogie~~ of one of the claims 1 or 2, whereby at least one of said spring units comprises a hydraulic spring.

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- <->*
4. ~~Railway bogie~~ of one of the claims 1 to 3, whereby said adapter is attached to said bogie frame especially by welding.

- <->*
5. ~~Railway bogie~~ of one of the claims 1 to 4, whereby said adapter is connected to at least one of said spring units via at least one bolt.

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- <->*
6. ~~Railway bogie~~ of claim 5, whereby said bolt is an integral part of said adapter or said spring unit.

7. ~~Railway bogie~~ of one of the claims 1 to 6, whereby said adapter is designed to fit to said bogie frame having standardized dimensions.

8. ~~Railway bogie~~ of one of the claims 1 to 7, whereby said adapter has an essentially rectangular cross section.

9. ~~Railway bogie~~ of one of the claims 1 to 8, whereby said adapter extends oblong in a direction in which said adapter bridges said spring units.